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Total Number of Pages in This Submission

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Application Number	10/052,092
Filing Date	January 18, 2002
First Named Inventor	Suzanne Fuqua
Group Art Unit	N/A
Examiner Name	Not Yet Assigned

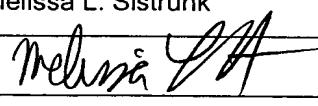
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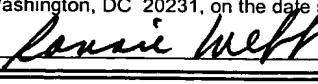
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Transmittal

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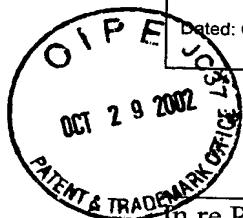
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Docket No.: HO-P02102US2
(PATENT)



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Dated: October 29, 2002

Signature:

Ronnie Webb
(Ronnie Webb)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Suzanne Fuqua, et al.

Application No.: 10/052,092

Group Art Unit: N/A

Filed: January 18, 2002

Examiner: Not Yet Assigned

For: METHODS AND COMPOSITIONS IN
BREAST CANCER DIAGNOSIS AND
THERAPEUTICS

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
Washington, DC 20231

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned.

A copy of each reference on PTO/SB/08 is attached.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other

Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2375, under Order No. HO-P02102US2.

Dated: October 29, 2002

Respectfully submitted,

By 
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IDS (Citation) by Applicant



PTO/SB/08A (10-01)

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Sheet 1 of 4

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First Named Inventor	Suzanne Fuqua
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	HO-P02102US2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA	5563035-	10-08-1996	Weigel		
AB	6162606-	12-19-2000	Raam		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

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Sheet

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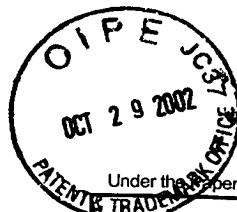
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Burstein, Nelson A.; Overall Principles of Cancer Management - Hormone Therapy; published in Cancer, A Manual for Practitioners (American Cancer Society Massachusetts Division); 6th Edition, 1982, pages 67 - 71	
✓	CB	Donegan, William L.; Prognostic Factors; Cancer 1992; 70:1755 - 1764	
✓	CC	Brooks, S. C., et al.; Relation of Tumor Content of Estrogen and Progesterone Receptors with Response of Patient to Endocrine Therapy; Cancer 46:2775 - 2778, 1980	
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✓	CR	Weigel, Ronald J., et al.; Transcriptional Control of Estrogen Receptor in Estrogen Receptor-negative Breast Carcinoma; Cancer Research, Vol. 53 (15):3472 - 3474, August 1, 1993	
✓	CS	Scott, Gary K., et al.; Truncated Forms of DNA-binding Estrogen Receptors in Human Breast Cancer; J. Clin. Invest. 1991, 88:700 - 706	
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✓	CU	Fuqua, Suzanne A. W., et al.; Inhibition of Estrogen Receptor Action by a Naturally Occurring Variant in Human Breast Tumors; Cancer Research 52:483 - 486, January 15, 1992	
✓	CV	Castles, Carl G., et al.; Expression of a Constitutively Active Estrogen Receptor Variant in the Estrogen Receptor-negative BT-20 Human Breast Cancer Cell Line; Cancer Research 53	

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet

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of

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First Named Inventor	Suzanne Fuqua
Art Unit	N/A
Examiner Name	Not Yet Assigned

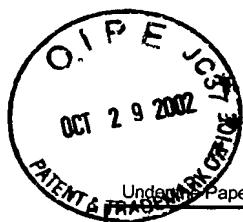
Attorney Docket Number HO-P02102US2

• CW	(24):5934 - 5939, December 15, 1993 Keaveney, M., et al.; Evidence for a Previously Unidentified Upstream Exon in the Human Oestrogen Receptor Gene; J. Mol. Endocr., Vol. 6:111 - 115, 1991
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• CA1	Sun, Jun, et al.; Novel Ligands that Function as Selective Estrogens or Antiestrogens for Estrogen Receptor-a or Estrogen Receptor-B; Endocrinology, Vol. 140 (2):800 - 804, 1999
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• CG1	Cowley, Shaun M., et al.; A comparison of transcriptional activation by ERa and ERB; Journal of Steroid Biochemistry and Molecular Biology, Vol. 69, pages 165 - 175, 1999
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• CI1	Witkowska, H. Ewa, et al.; Characterization of bacterially expressed rat estrogen receptor B ligand binding domain by mass spectrometry: Structural comparison with estrogen receptor a; Steroids 62:621 - 631, 1997
• CJ1	McGuire, William L., et al.; Estrogen Receptor Variants in Clinical Breast Cancer; Molecular Endocrinology 5:1571 - 1577, 1991
• CK1	van Agthoven, Ton, et al.; Differential Expression of Estrogen, Progesterone, and Epidermal Growth Factor Receptors in Normal, Benign, and Malignant Human Breast Tissues using Dual Staining Immunohistochemistry; American Journal of Pathology, Vol. 144 (6), pages 1238 - 1246, June 1994
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/052,092
Sheet	4	of	4	Filing Date	January 18, 2002
				First Named Inventor	Suzanne Fuqua
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	HO-P02102US2

1	CP1	Fasco, Michael J., et al.; Expression of an estrogen receptor alpha variant protein in cell lines and tumors; Molecular and Cellular Endocrinology 162, pages 167 - 180, 2000	
3	CQ1	Rost, Natalia S., et al.; Immunochemical analyses of estrogen receptors in human breast tumors by a novel monoclonal estrogen receptor antibody (EVG F9); Steroids 65, pages 429 - 436, 2000	
	CR1	O'Connell, Peter, et al.; Analysis of Loss of Heterozygosity in 399 Premalignant Breast Lesions at 15 Genetic Loci; Journal of the National Cancer Institute, Vol. 90 (9), pages 697 - 703; May 6, 1998	
4	CS1	Page, David L., et al.; Premalignant and Malignant Disease of the Breast: The Roles of the Pathologist; Mod Pathol 1998; 11(2):120 - 128	
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•	CU1	Roger, Pascal, et al.; Dissociated Overexpression of Cathepsin D and Estrogen Receptor Alpha in Preinvasive Mammary Tumors; Human Pathology, Vol. 31 (5), pages 593 - 600, May 2000	
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•	CA2	Slentz-Kesler, Kimberly, et al.; Identification of the Human Mnk2 Gene (MKNK2) through Protein Interaction with Estrogen Receptor B; Genomics 69, 63 - 71, 2000	
•	CB2	Dupont, William D., et al.; Risk Factors for Breast Cancer in Women with Proliferative Breast Disease; N. Engl. J. Med. 1985; 312:146 - 151	
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